

The embodiments of the invention in which an exclusive privilege or property is claimed are defined as follows:

1. A combination artificial tree-lighting arrangement, said combination being connectable to an electrical power source for providing an illuminated decoration, said combination comprising:

- a generally elongated tree trunk, said tree trunk defining a trunk longitudinal axis;
- at least one connecting component, said connecting component being mountable on said tree trunk;
- at least one display component mountable on said connecting component, said display component having at least one tree limb extending therefrom, said display component also having at least one lighting cable extending therefrom, said lighting cable being supportable by said tree limb and being provided with at least one decorative light;
- an electrical circuitry connectable to said electrical power source, said electrical circuitry being attachable to said connecting component, said electrical circuitry including a connecting component-to-light coupling means for electrically coupling said connecting component to said decorative light, said connecting component-to-light coupling means allowing said display component to rotate relative to said connecting component about a rotation axis substantially parallel to said trunk longitudinal axis while maintaining the electrical coupling between said connecting component and said decorative light.

2. A combination as recited in claim 1 wherein said connecting component is provided with a connecting component-to-trunk attachment means for allowing attachment of said connecting component at various locations along said trunk longitudinal axis.

3. A combination as recited in claim 1 comprising two connecting components and two corresponding display components, said electrical circuitry further including connecting component-to-connecting component electrical coupling means for electrically coupling said two connecting components.

4. A combination as recited in claim 3 wherein at least one of said connecting components is provided with a connecting component-to-trunk attachment means for allowing attachment of said connecting component at various locations along said trunk longitudinal axis, said connecting component-to-trunk attachment means allowing adjustment of the spacing between said connecting components, said connecting component-to-connecting component electrical coupling means maintaining the electrical coupling between said coupling components within a predetermined spacing range between said connecting components.

5. A combination as recited in claim 1 wherein said tree limb is pivotable relative to said display component between a limb extended configuration and a limb retracted configuration wherein said tree limb forms an angle having respectively a larger and a smaller value relative to said trunk longitudinal axis.

6. A combination as recited in claim 1 wherein said lighting cable is releasably attachable to said display component.

7. A combination as recited in claim 1 wherein said display component has two tree limbs extending therefrom, said display component also having two corresponding lighting cables extending therefrom, each of said lighting cables being supportable by a corresponding tree limb and being provided with at least one decorative light; wherein said lighting cables are interchangeable.

8. A combination as recited in claim 1 comprising two connecting components and two corresponding display components, said electrical circuitry further including connecting component-to-connecting component electrical coupling means for electrically said two connecting components; at least one of said connecting components being provided with a connecting component-to-trunk attachment means for allowing attachment of said connecting component at various locations along said trunk longitudinal axis, said connecting component-to-trunk attachment means allowing adjustment of the spacing between said connecting components, said connecting component-to-connecting

component electrical coupling means maintaining the electrical coupling between said coupling components within a predetermined spacing range between said connecting component; at least one of said display components having two tree limbs extending therefrom, said at least one of said display components also having two corresponding lighting cables extending therefrom, each of said lighting cables being supportable by a corresponding tree limb; said lighting cables being releasably attachable and interchangeable.

9. A combination as recited in claim 1 wherein said connecting component includes a substantially cylindrical connecting wall, said connecting wall being configured and sized for being slidably and substantially fittingly insertable over a corresponding longitudinal section of said tree trunk; said connecting component also including a connecting flange extending outwardly and substantially radially from said connecting wall substantially adjacent a lower peripheral edge thereof; said display component including a substantially cylindrical display wall, said display wall being configured and sized for being slidably and substantially fittingly insertable over at least a portion of said connecting wall, said display wall being also configured and sized for allowing a lower peripheral edge thereof to abuttingly rest on said connecting flange.

10. A combination as recited in claim 9 wherein said display component is also provided with a display arm extending outwardly and substantially radially from the outer surface of said display wall; said display arm being provided with a limb attachment means for attaching said tree limb and a lighting cable coupling means for electrically coupling and attaching said lighting cable.

11. A combination as recited in claim 10 wherein said tree limb is pivotable relative to said display component between a limb extended configuration and a limb retracted configuration wherein said tree limb forms an angle having respectively a larger and a smaller value relative to said trunk longitudinal axis; said limb attachment means including a substantially cylindrical limb base attached to a proximal end of said tree limb; said limb attachment means also including a limb receiving recess formed in said display arm, said limb receiving recess defining a base receiving section configured and sized for substantially fittingly and pivotally receiving said limb base and a limb abutment section extending from said base receiving section for abuttingly limiting the pivotal movement of said limb between said limb extended and retracted configurations.

12. A combination as recited in claim 11 wherein said lighting cable coupling means includes a cable plug attached to a proximal end of said lighting cable, said cable plug having a plug body and a pair of plug prongs extending from said plug body, said plug prongs being electrically coupled to said lighting cable; said lighting cable coupling means also including a plug receiving recess formed is

said display arm for receiving said plug body and a pair of prong sockets formed in said plug receiving recess for receiving said plug prongs and allowing electrical coupling between said plug prongs and said prong sockets, said prong sockets being electrically coupled to a corresponding pair of arm wires extending at least partially through said display arm.

13. A combination as recited in claim 11 wherein said lighting cable coupling means includes a pair of coupling strips extending substantially circumferentially from said limb base, said coupling strips being electrically coupled to a proximal end of said lighting cable; said lighting cable coupling means also including a pair of strip contacting components for contacting said coupling strips and allowing electrical coupling between said coupling strips and said strip contacting components, said strip contacting components protruding from a contacting component receiving recess formed in said display arm; said strip contacting components being electrically coupled to a corresponding pair of arm wires extending at least partially through said display arm.

14. A combination as recited in claim 9 wherein said connecting component-to-light coupling means includes a first and a second connecting component coupling ring, said connecting component first and second coupling rings being mounted on said connecting component and being electrically connectable to said electrical power source, said connecting component-to-light coupling means includes a first and a second display component coupling ring,

said display component first and second coupling rings being mounted on said display component and connectable to said lighting cable, said first and second connecting component coupling rings and said first and second display component coupling rings being configured, positioned and sized for allowing electrical coupling respectively therebetween so as to allow electrical coupling of said lighting cable to said electrical power source when said display component is operatively mounted on said connecting component.

15. A combination as recited in claim 14 wherein said first and second connecting component coupling rings are positioned respectively on an outer surface of said connecting wall and on an upper surface of said connecting flange and wherein said first and second display component coupling rings are positioned respectively on an inner surface of said display wall and on a lower peripheral edge of said display wall.

16. A combination as recited in claim 14 comprising two connecting components and two corresponding display components, said electrical circuitry further including connecting component-to-connecting component electrical coupling means for electrically said two connecting components; said first and second connecting component coupling rings being electrically coupled to both to a connecting component male plug and a connecting component female plug respectively by a first ring-to-male plug cable and a second ring-to-male plug cable and by a first ring-to-female plug cable and a second ring-to-female plug

■ □ ■ ■ ■  
cable; said connecting component-to-connecting component electrical coupling means including a connecting component-to-connecting component cable for electrically coupling the connecting component male and female plugs of adjacent connecting components.

17. A combination as recited in claim 1 wherein said display component has two tree limbs extending therefrom, said display component also having two corresponding lighting cables extending therefrom, each of said lighting cables being supportable by a corresponding tree limb and being provided with at least one decorative light; said lighting cables being electrically coupled in serie to said electrical power source.

18. A combination as recited in claim 1 wherein said display component has two tree limbs extending therefrom, said display component also having two corresponding lighting cables extending therefrom, each of said lighting cables being supportable by a corresponding tree limb and being provided with at least one decorative light; said lighting cables being electrically coupled in parallel to said electrical power source.



19. A combination artificial tree-lighting arrangement, said combination being connectable to an electrical power source for providing an illuminated decoration, said combination comprising:

- a generally elongated tree trunk, said tree trunk defining a trunk longitudinal axis;
- at least one connecting component, said connecting component being mountable on said tree trunk;
- at least one display component mountable on said connecting component, said display component having at least one tree limb extending therefrom, said display component also having at least one lighting cable extending therefrom, said lighting cable being supportable by said tree limb and being provided with at least one decorative light;
- an electrical circuitry connectable to said electrical power source, said electrical circuitry being attachable to said connecting component, said electrical circuitry including a connecting component-to-light coupling means for electrically coupling said connecting component to said decorative light, said connecting component-to-light coupling means allowing said display component to rotate relative to said connecting component about a rotation axis substantially parallel to said trunk longitudinal axis while maintaining the electrical coupling between said connecting component and said decorative light; said lighting cable being releasably attachable to said display component.